

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17106-024001 (24745-1613)	Application No. 10/099,700 Conf. No. 4309
Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small>		Applicant Edwin L. Madison, et al.		
		Filing Date March 13, 2002	Group Art Unit 1652 Customer No 20985	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
WJM	A	60/257,495		Zerhusen et al.	435	6	12/21/00
AGM	B	2003-0175938	9/18/03	Shi et al.	435	193	
WJM	C	2003-0232349	12/18/02	Delegeane et al.	435	226	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
WJM	D	WO 03/104391	12/18/03	PCT	—	—		
WJM	E	WO 04/005471	1/15/04	PCT	—	—		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
WJM	F	Bork, P., "Powers and Pitfalls in Sequence Analysis: the 70% Hurdle," <i>Genome Research</i> 10: 398-400 (2000)
	G	Broun et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," <i>Science</i> 282:1315-1317 (1998)
	H	Bryan, Philip N., "Protein engineering of subtilisin," <i>Biochimica et Biophysica Acta</i> 1543:203-222 (2000)
	I	Lu et al., "Crystal Structure of Enteropeptidase Light Chain Complexed with an Analog of the Trypsinogen Activation Peptide," <i>J. Mol. Biol.</i> , 292:361-373 (1999)
	J	Ngo et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," Chapter 14 in <i>The Protein folding problem and tertiary structure prediction</i> Kenneth M. Merz, Jr. and Scott M. Le Grand (Eds.) Boston: Birkhäuser pp. 433-506 (1994)
	K	Nienaber et al., "Re-engineering of Human Urokinase Provides a System for Structure-based Drug Design at High Resolution and Reveals a Novel Structural Subsite," <i>The Journal of Biological Chemistry</i> , 275 (10):7239-7248 (2000)
	L	Sommerhoff, et al., "The structure of the human β II-trypsin tetramer: fo(u)r better or worse," <i>Proc Natl Acad Sci U.S.A.</i> , 96:10984-10991 (1999)
	M	Van de Loo et al. "An oleate 12-hydroxylase from Ricinus communis L. is a fatty acyl desaturase homolog," <i>Proc. Natl. Acad. Sci. USA</i> 92:6743-6747 (1995)
	N	Venekei et al., "Attempts to convert chymotrypsin to trypsin," <i>FEBS Letters</i> 379, 143-147 (1996)
✓	O	Wikowski et al., "Conversion of a β -Ketoacyl Synthase to a Malonyl Decarboxylase by Replacement of the Active-Site Systeine with Glutamine," <i>Biochemistry</i> 38:11643-11650 (1999)
WJM	P	Xu et al., "Mutational Analysis of the Primary Substrate Specificity Pocket of Complement Factor B," <i>THE JOURNAL OF BIOLOGICAL CHEMISTRY</i> , 275 (1):378-385 (2000)

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Examiner Signature <i>William W. Moore</i>	Date Considered <i>2 September 2004</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON	

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT									ATTY. DOCKET NO. 24745-1613		SERIAL NO. 10/099,700			
									APPLICANT Madison <i>et al.</i>		CUST. NO. 24961		CONF. NO. 4309	
									FILING DATE March 13, 2002		GROUP NO. 1652			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>WWM</i>	A	0	0	0	1	8	0	1	01/01/04	Madison <i>et al.</i>	424	85.1	05/23/02
	B	0	0	5	0	2	5	1	03/13/03	Semple <i>et al.</i>	514	19	03/05/02
	C	0	0	7	7	6	9	7	04/24/03	Gerlack <i>et al.</i>	435	69.1	07/03/01
	D	0	1	1	9	1	6	8	06/26/03	Madison <i>et al.</i>	435	226	02/02/01
	E	0	1	3	4	2	9	8	07/17/03	Madison <i>et al.</i>	435	6	07/30/02
	F	0	1	3	4	7	9	4	07/17/03	Madison <i>et al.</i>	514	12	11/20/02
	G	0	1	4	3	2	1	9	07/31/03	Madison <i>et al.</i>	424	94.67	10/08/02
	H	0	1	6	6	8	5	1	09/04/03	Madison <i>et al.</i>	530	350	03/27/02
	I	0	1	8	1	6	5	8	09/25/03	Madison <i>et al.</i>	530	350	03/20/02
↓	J	0	1	8	6	3	2	9	10/02/03	Madison <i>et al.</i>	435	7.1	01/21/03
<i>WWM</i>	K	0	2	3	5	9	0	0	12/25/03	Madison <i>et al.</i>	435	226	05/14/02

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
<i>WWM</i>	L	0	3	0	3	1	5	85	04/17/03	PCT	—	—	
<i>WWM</i>	M	0	3	0	4	4	1	79	05/30/03	PCT	—	—	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>WWM</i>	N	Bergstrom <i>et al.</i> , "Binding of nonphysiological protein and peptide substrates to proteases: differences between urokinase-type plasminogen activator and trypsin and contributions to the evolution of regulated proteolysis", <i>Biochem.</i> , 42:5395-402 (2003)
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EXAMINER

William W. Marr

DATE CONSIDERED

2 September 2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE ENCODED POLYPEPTIDES AND METHODS BASED THEREON